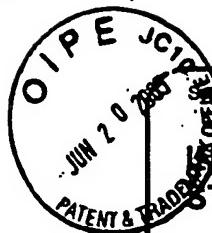


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449A/PTO				Complete If Known	
				Application Number	10/615,704
				Filing Date	July 9, 2003
				First Named Inventor	SCOTT
				Art Unit	3725
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	2189-P03242US00

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cita No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ³ (if known)			
		US- 2003/0061852	04-03-2003	Yamano et al.	
		US- 6,19,094	09-16-2003	Juhl	
		US- 5,836,188	11-17-1998	Mahan et al.	
		US- 5,743,124	04-28-1998	Sugiyama et al.	
		US- 5,187,858	02-23-1993	Davi	
		US- 4,802,357	02-07-1989	Jones	
		US- 4,373,371	02-15-1983	Liu	
		US- 4,564,754	01-07-1986	Archer et al.	
		US- 5,876,032	10-14-1997	Johnson	
		US- 6,487,887	12-03-2002	Yamada	
		US- 6,158,264	12-12-2000	Mizukawa	
		US- 6,227,028	05-08-2001	Mizukawa	
		US-			

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cita No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)			
		EP 1 264 648	12-11-2002	Park	
		EP 1 157 760	11-28-2001	Park	
		EP 0 626 221	11-30-1994	Suntex Co. Ltd.	
		GB 612 939	11-19-1948	Dickinson	
		EP 1 129 799	09-05-2001	Suntex Co. Ltd.	
		JP 06-328133	11-29-1994	Santekusu KK	
		English language abstract of JP06-328133	11-29-1994	Santekusu KK	
		English language abstract of JP07-090276	04-04-1995	Sumitomo Metal Ind Ltd	
		English language abstract of JP09-174498	07-08-1997	Santekusu KK	

Examiner Signature	<i>D Crane</i>	Date Considered	<i>7-13-2005</i>
--------------------	----------------	-----------------	------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

BEST AVAILABLE COPY

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete If Known	
				Application Number	10/615,704
				Filing Date	July 9, 2003
				First Named Inventor	SCOTT
				Art Unit	3725
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	2189-P03242US00

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	US-				
	US-				
	US-				

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)			
		English language abstract of JP10-058041	03-03-1998	Toshio	
		WO 02/102529	12-27-2002	Mizukawa	
		English language abstract of WO 02/102529	12-27-2002	Mizukawa	
		English language abstract and machine translation of JP2003-001352	01-07-2003	Mizukawa	
		EP 0 962 274 B1	12-08-1999	Mizukawa	
		EP 0 962 273 B1	10-30-2002	Mizukawa	
		English language abstract and machine translation of JP2001-353528	12-25-2001	Mizukawa	
		English language abstract of JP2000-334519	12-05-2000	Mizukawa	
		English language abstract of JP2001-239339	09-04-2001	Mizukawa	
		CA 2,120,037	12-18-1994	Mizukawa et al.	
		WO 95/00266	05-01-1995	Mizukawa et al.	
		EP 0 657 231 B1	08-09-1998	Mizukawa et al.	
		EP 0 317 637 A1	05-31-1989	Mizukawa et al.	
		JP11-254048	09-21-1999	Mizukawa	
		English language abstract of JP11-254048	09-21-1999	Mizukawa	
		English language abstract of JP08-215760	08-27-1996	Mizukawa	
		English language abstract of JP08-215761	08-27-1996	Mizukawa	
		English language abstract of JP08-192310	07-30-1996	Mizukawa	
		English language abstract of JP08-243834	09-24-1996	Mizukawa	
		English language abstract of JP09-030578	02-04-1997	Mizukawa	
		English language abstract and machine translation of JP08-099123	04-16-1996	Mizukawa	
		English language abstract of JP02-020619	01-24-1990	Mizukawa	

Examiner Signature		Date Considered	7-13-2005
--------------------	---	-----------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.